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July 3, 1971

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Re: Dr. Richard J. Hickey - Special Project

In our last letter concerning Dr. Hickey, we proposed temporary funding of \$10,000.00. Your approval of this amount provided funds for the period ending July 31, 1971. Following a personal visit, several telephone discussions and considerable correspondence with Dr. Hickey, Dave and I are now able to recommend additional funding.

I enclose a draft proposal from Dr. Hickey which covers a two-year period commencing August 1, 1971. The suggested budget is \$39,791 for the first year and \$40,250 for the second.

We recommend that the Hickey proposal be funded as a special project for the following reasons:

(1)

Hickey's work, which is unique in many respects, has gained favorable attention in the scientific and academic communities.

Hickey has written a chapter on air pollution in a book entitled Environment, Resources, Pollution and Society. His comments on tobacco smoking and disease, appearing at pages 206-207 (copy attached), are well worth reading. The publisher

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has received orders from a number of colleges and universities throughout the United States, including a reported order for 1700 copies from the University of Kentucky.

In addition, Dr. Hickey has recently been invited by Dr. Jerzy Neyman (an outstanding statistician) to present a paper at the Sixth Berkeley Symposium on Mathematical Statistics and Probability. Dr. Neyman indicated in his letter to Hickey that the invitation had been motivated by a comment made to Neyman that Hickey's "multivariate studies relating vital statistics to specific pollutants are the most fascinating I have seen and I think would surely be appropriate for your Symposium." The Symposium referred to has as one of its purposes the assembly of material which would be necessary in planning a comprehensive statistical study of several suspected pollutants and their effect on health.

By invitation, Dr. Hickey prepared a paper entitled "Ecological Statistical Studies on Environmental Pollution and Chronic Disease," which was published in the IEEE's Trans. Geosci, Electronics GE-8, 186-202 (1970).

Dr. Hickey has recently been invited by the Shell Development Company, a division of Shell Oil Company, to participate in its Distinguished Lecturer series.

As you already know, Dr. Hickey has also been invited to attend and present a paper at the motivational conference set for January of next year. Hickey has already devoted a considerable amount of time and effort to preparing this paper.

(2)

We are joined in our conclusion that Dr. Hickey's work is sufficiently impressive to justify continued support by Dr. Hockett and Dr. Kastenbaum. It is perhaps unnecessary to add that Hickey is convinced that smoking has been given far too much consideration and air pollution far too little.

(3)

Dr. Hickey has been the recipient of two special

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projects in the past and we believe that the work done in connection with these projects can provide the base for important additions to the scientific literature. The present proposed project contemplates the publication of several articles by Dr. Hickey. These are to include not only those emphasizing the possible effects of air pollution but also Fisher's genotype hypothesis.

We propose specifically that funding be approved for one year commencing August 1, 1971, in the amount of approximately \$40,000. We further recommend a commitment of support for the second year in the same amount provided work during the first period progresses as anticipated. This will allow for continuity of effort and for certain assurances to personnel working with Hickey. It will, in particular, help assure continued participation by statisticians at the University of Pennsylvania.

We look forward to hearing from you.

Bill Shinn
WILLIAM W. SHINN

WWS/r
Enclosures

cc: Lester Pollack, Esq.
Alexander Holtzman, Esq.

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